Date: Wed, 3 Mar 93 16:04:28 PST

From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>

Errors-To: Info-Hams-Errors@UCSD.Edu

Reply-To: Info-Hams@UCSD.Edu

Precedence: Bulk

Subject: Info-Hams Digest V93 #280

To: Info-Hams

Info-Hams Digest Wed, 3 Mar 93 Volume 93 : Issue 280

Today's Topics:

2m handhelds compared?
Bird 43 info
Cellular Safety
Grid Squares

Ham only dual-bander HT? (2 msgs)
 How about a J-wire for HF?
 Icom 2SRA Mods ???

Invention of transistor a bootleg project?
Is there still a "White's Radio Log"
Keplerian Bulletin 9 ARLK009
License Delays Decreasing
NEED DOPPLER DF INFO
QSL HELP PLEASE

SPACE BULLETIN 005 ARLS005
What is Idss for a VN10KM?
What would the ratio of logs mean? (2 msgs)
Yaesu FT-530 Modifications?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu> Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu> Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 3 Mar 93 16:34:20 GMT From: news-mail-gateway@ucsd.edu Subject: 2m handhelds compared?

To: info-hams@ucsd.edu

I'm interested in a SMALL 2-meter hand held and am looking at two rigs in

particular: The Yaesu FT-415 and the Standard C168A. I cannot decide based on QST's Oct. 92 review alone; does anyone have any educated opinions on these two units? One consideration is the intermod problem, as I intend to sometimes use it with an external antenna in and around Tucson. I had recently read here the Yaesu 415 has good intermod rejection....

Howard KE7QJ hlester@as.arizona.edu

Date: Wed, 3 Mar 1993 10:43:58 GMT

From: mcsun!sun4nl!dutrun!dutiws!dejongh@uunet.uu.net

Subject: Bird 43 info To: info-hams@ucsd.edu

I want to buy a Bird 43 Wattmeter. Because of the high prices in Europe I'm deciding to buy it in the States (or let it buy). What are the prices? I have been told that there was a bargain including three heads, free of choice. Can anyone give me an idea of the price for the following 'configuration':

Bird 43 with 'N' connectors 100-200 MHz head, 1 kW 400-1000 MHz head, 1 kW 1000-2000 MHz, 250 W

I'm not sure if the ranges are correct but you'll get my meaning: measuring 1 kW on 2, 1 kW on 70 and 250 W on 23.

Please mail info to me directly at: besten@chem.ruu.nl

Thanks, Remco (PA3FYM)

Date: 3 Mar 93 16:11:29 GMT

From: ogicse!uwm.edu!zaphod.mps.ohio-state.edu!howland.reston.ans.net!

spool.mu.edu!mixcom.com!kevin.jessup@network.UCSD.EDU

Subject: Cellular Safety
To: info-hams@ucsd.edu

In <C39145.59H@iat.holonet.net> bwilkins@iat.holonet.net (Bob Wilkins n6fri)
writes:

>I wonder about the hams on 2meters running the 6 watt portables next >to their heads.. If it hurts...don't do it :>

Oh, I don't know. Nothing wrong with a double-duty handheld while mobile!

Just stick the duck into your coffee mug, key the mike a few times and the brew will be warmed-up again in no time!

>Bob Wilkins n6fri voice 440.250+ 100pl san francisco bay area $^{\wedge\wedge}$

How about FRY! Do much microwave DX?? ;-)

Kevin Jessup (No call sign yet. Seven weeks and counting! :-(

- -

Kevin Jessup, kevin.jessup@mixcom.mixcom.com

"Friends don't let friends run DOS."
-- Microware

Date: 3 Mar 93 20:23:23 GMT From: news-mail-gateway@ucsd.edu

Subject: Grid Squares To: info-hams@ucsd.edu

Help! How does one find the grid square designation for a particular QTH? Local BBS's seem to like to ask this as part of the first time log-on. I know that my QTH in southeastern Lousiana is EM40, but how do I find the last part? E-mail direct or post here.....thanks.

Bob Priez, WB5FBS BOBPRIEZ@SELU.EDU

Date: 3 Mar 93 03:41:39 GMT

From: agate!howland.reston.ans.net!newsserver.jvnc.net!netnews.upenn.edu!

mipg.upenn.edu!yee@ames.arpa
Subject: Ham only dual-bander HT?

To: info-hams@ucsd.edu

Does a ham-only dual-bander HT exist? I want nice and tight filters to reduce intermod and have little use for a glorified scanner. I also have absolutely no interest in fifty gazillion features which I will never use. Memories? I want an HT, not a computer. Besides, how can a mere human keep track of more than 10 or so memories.

TenTec, are you listening?

_ _

411 Blockley Hall | Conway Yee, N2JWQ
418 Service Drive | yee@ming.mipg.upenn.edu (preferred)

Philadelphia, PA 19104 | cy5@cunixa.cc.columbia.edu (forwarded to above) (215) 662-6780 |

Date: Wed, 3 Mar 93 14:37:12 GMT

From: pacbell.com!att-out!walter!porthos!dancer!whs70@network.UCSD.EDU

Subject: Ham only dual-bander HT?

To: info-hams@ucsd.edu

In article <C3BDsv.HyD@feenix.metronet.com> marcbg@feenix.metronet.com (Marc
Grant) writes:

>In article <112210@netnews.upenn.edu> yee@mipg.upenn.edu (Conway Yee) writes:
>>Does a ham-only dual-bander HT exist? I want nice and tight filters to reduce
>>intermod and have little use for a glorified scanner. I also have absolutely
>>no interest in fifty gazillion features which I will never use. Memories?
>>I want an HT, not a computer. Besides, how can a mere human keep track of
>>more than 10 or so memories.

>Well, I don't think you'll get so lucky in a dual bander. However, for a >single band radio, the ol' IC2AT can't be beat. I'm afraid you're going >to have to allow yourself to get sucked in by technology. >

>The Yeasu 530 and the larger Icom (I forget the model number) have fairly >good front ends. But where are you going to be using it? In a car with w >mag mount? With the stock antenna, most talkies do fairly well, even with >the broad front ends. Problem is everyone tries to use them as mobile >rigs and wonders why they receive everything from DC to daylight when >hooked up to a 5db gain antenna. They're just not designed for that type >of use. Sure, once in a while on a trip is ok, but if you want it for a >car or base station, get yourself a mobile or base rig.

I use an Icom 24AT (2m/70cm) as a mobile with a mag mount and it is just fine, even in the densely populated areas of New Jersey. While it does have many "bells and whistles" I don't use most of them and it still is a great unit.

Standard Disclaimer- Any opinions, etc. are mine and NOT my employer's.

Bill Sohl (K2UNK) BELLCORE (Bell Communications Research, Inc.)
Morristown, NJ email via UUCP bcr!cc!whs70

201-829-2879 Weekdays email via Internet whs70@cc.bellcore.com

Date: 3 Mar 93 00:42:49 GMT

From: usc!wupost!spool.mu.edu!olivea!gossip.pyramid.com!pyramid!infmx!seashore!

randall@network.UCSD.EDU

Subject: How about a J-wire for HF?

To: info-hams@ucsd.edu

Has anyone tried a helically wound wire j-pole for HF?

Randall Rhea

Informix Software, Inc.

Project Manager, MIS Sales/Marketing Systems uunet!pyramid!infmx!randall

Date: 3 Mar 93 19:43:51 GMT

From: news.mentorg.com!hpstevenw!stevenw@uunet.uu.net

Subject: Icom 2SRA Mods ???

To: info-hams@ucsd.edu

Hi ...

I have a new Icom 2SRA 2meter HT, and I would like to expand the coverage of the receiver. Does any one know about any mods for this radio ??????

Any modes ????

By the way, This is a very good radio if any one is thinking about buying one. I'm very happy with it. I was thinking that I would have wished that I bought a dual bander, but no, I do like the 2SRA

Steve

steve_whitchurch@pdx.mentorg.com

Date: Wed, 3 Mar 1993 13:38:15 GMT

From: pacbell.com!att-out!cbfsb!cbnewsb.cb.att.com!wa2ise@ames.arpa

Subject: Invention of transistor a bootleg project?

To: info-hams@ucsd.edu

According to the PR folks at AT&T, the invention of the transistor was the collimation of many years of well planned research. Another story has it that that the actual project that produced the invention was a "bootleg" project, that some researchers did after hours hidden

from their bosses. Management said to not work on that project, as they thought it had no merit. The researchers hid the setup and equipment in a storage closet on a cart, and dragged it out after the boss went home. They got the damn thing to work, and even made a "home" movie describing the results and showed the transistor operating under test. Footage of this can be seen in a series of phone company history films, where history was "rewritten". Or so the story goes...

Date: 3 Mar 93 19:11:43 GMT From: news-mail-gateway@ucsd.edu

Subject: Is there still a "White's Radio Log"

To: info-hams@ucsd.edu

There used to be a publication that came out quarterly or annually called "White's Radio Log" that listed broadcast stations both by call letters alphabetically and by frequency. It's probably been 20 years since I've seen one.

Anybody seen it or something like it recently? The "World Radio-TV Handbook" does show some stations but is far from complete for US commercial broadcast.

I think the old magazine used to list VOA and Coast Guard stuff, and all kinds of other stations in the US, and maybe Canada and Mexico.

I seem to recall, even as I type this, that it started out as a column in one of the experimenter magazines (not a ham-specific magazine)

I believe it also included the W1AW schedule.

73, Bob WA8YCD

Bob West WA8YCD mcopn3::wa8ycd

(wa8ycd@mcopn3.dseg.ti.com)

HRD Computer Systems Training | MSG=YCD | Defense Systems & Electronics Group | Texas Instruments, Incorporated | P. O. Box 650311 M/S 3928 | Dallas, Texas 75265-0311 | (214) 917-1908 FAX 917-7519

"Hey Rocky! Watch me pull a rabbit
outta my hat!"

"Yo, Adrian! That moose is back again!"

| --from "Scenes You'll Probably | Never See"

Date: 3 Mar 93 14:32:35 GMT

From: ogicse!uwm.edu!zaphod.mps.ohio-state.edu!mstar!n8emr!

bulletin@network.UCSD.EDU

Subject: Keplerian Bulletin 9 ARLK009

To: info-hams@ucsd.edu

ZCZC SK21 QST de W1AW Keplerian Bulletin 9 ARLK009 >From ARRL Headquarters Newington, CT February 27, 1993 To all radio amateurs

SB KEP ARL ARLK009 ARLK009 Keplerian data

Thanks to NASA, AMSAT and N3FKV for the following Keplerian data.

Decode 2-line elsets with the following key:

1 AAAAAU 00 0 0 BBBBB.BBBBBBBB .CCCCCCCC 00000-0 00000-0 0 DDDZ 2 AAAAA EEE.EEEE FFF.FFFF GGGGGGG HHH.HHHH III.IIII JJ.JJJJJJJJJKKKKKZ KEY: A-CATALOGNUM B-EPOCHTIME C-DECAY D-ELSETNUM E-INCLINATION F-RAAN G-ECCENTRICITY H-ARGPERIGEE I-MNANOM J-MNMOTION K-ORBITNUM Z-CHECKSUM

A0-10

- 1 14129U 83058 B 93054.97891908 0.00000000 99999-4 0 09744
- 2 14129 027.0081 038.3852 5991600 060.4490 345.9630 02.05876091044960 RS-10/11
- 1 18129U 87054 A 93056.82168910 0.00000097 99999-4 0 5645
- 2 18129 82.9285 320.9321 0010388 269.8053 90.1897 13.72309216284574 UO-11
- 1 14781U 84021 B 93046.09611398 0.00000549 10184-3 0 4006
- 2 14781 97.8238 77.8331 0012964 31.5913 328.6069 14.68858390478794 RS-12/13
- 1 21089U 91007 A 93043.01588136 0.00000085 83733-4 0 3936
- 2 21089 82.9213 14.9359 0030957 33.2578 327.0513 13.74014278101336
- 1 19216U 88051 B 93055.95355222 -.00000003 99999-4 0 5657
- 2 19216 57.6503 330.9930 7259697 309.1516 6.4351 2.09721489 4504 UO-14

- 1 20437U 90005 B 93057.22264986 0.00000148 65352-4 0 7246
- 2 20437 98.6232 142.7151 0011185 147.3147 212.8729 14.29739250161575 A0-16
- 1 20439U 90005 D 93046.10058181 0.00000195 83708-4 0 5448
- 2 20439 98.6313 132.4918 0011058 180.0793 180.0392 14.29795854159991 D0-17
- 1 20440U 90005 E 93043.72242124 0.00000192 82144-4 0 5469
- 2 20440 98.6309 130.3095 0011191 188.0644 172.0363 14.29927437159669 WO-18
- 1 20441U 90005 F 93040.05123321 0.00000233 98128-4 0 5487
- 2 20441 98.6311 126.7073 0011597 201.1760 157.1485 14.29908715159144 LO-19
- 1 20442U 90005 G 93046.07887758 0.00000203 86680-4 0 5451
- 2 20442 98.6319 132.8348 0012282 180.8662 179.2508 14.30000338160017 F0-20
- 1 20480U 90013 C 93044.20455127 0.00000017 67260-4 0 4383
- 2 20480 99.0594 283.7688 0540939 7.5528 353.3323 12.83217568141417 A0-21
- 1 21087U 91006 A 93055.72741712 0.00000412 43455-3 0 07085
- 2 21087 082.9454 136.0616 0035200 336.4394 023.5677 13.74509800103996 UO-22
- 1 21575U 91050 B 93040.24894820 0.00000225 83183-4 0 2435
- 2 21575 98.4864 118.3602 0007834 324.9777 35.0893 14.36774641 82295 KO-23
- 1 22077U 92052 B 93050.87052321 -.00000000 99999-4 0 913
- 2 22077 66.0811 209.8356 0011044 214.3489 144.5801 12.86276954 24757 Mir
- 1 16609U 86017 A 93057.07385540 0.00020223 25837-3 0 9031
- 2 16609 51.6201 57.4068 0002455 66.0448 294.0830 15.59228505401804

Keplerian bulletins are transmitted twice weekly from W1AW. The next scheduled transmission of these data will be Tuesday, March 2, 1993, at 2330z on Baudot, AMTOR and ASCII.

NNNN

Date: Mon, 1 Mar 1993 23:33:36 GMT

From: elroy.jpl.nasa.gov!sdd.hp.com!hpscit.sc.hp.com!hplextra!hpfcso!hplvec!

scott@ames.arpa

Subject: License Delays Decreasing

To: info-hams@ucsd.edu

While I wouldn't want to see the net get clogged up with this sort of thing, I think this may be of interest to some. It would seem the FCC is beginning to do a bit better on processing 610's. I passed Novice and Tech on January 9th in Ft. Collins, CO and lo and behold, the new ticket showed up in the mail today, Monday, March 1st.

That's 7 Weeks and 2 days, a substantial improvement over the 9-11 weeks I've seen others reporting here.

At any rate, here is a happy: NOVRF :-)

Scott Turner NOVRF scott@hpisla.LVLD.HP.COM HP VXI Systems Division

Date: 3 Mar 93 15:33:06 GMT

From: ogicse!uwm.edu!zaphod.mps.ohio-state.edu!sol.ctr.columbia.edu!

news.columbia.edu!cunixf.cc.columbia.edu!mac20@network.UCSD.EDU

Subject: NEED DOPPLER DF INFO

To: info-hams@ucsd.edu

Speaking of doppler direction finding can someone give me the low-down on the principles involved?

I mean, basically, who's moving?

Thanks, Mike WB2ZLW/AA

Date: Wed, 3 Mar 1993 11:06:25 GMT

From: mcsun!sunic!aun.uninett.no!nuug!swing!ddm3!magne@uunet.uu.net

Subject: QSL HELP PLEASE To: info-hams@ucsd.edu

Phillip Laird (.phillip.laird@hal9k.ann-arbor.mi.us) wrote:

: S57EK: No Information in 1992 Callbook

.

: You might drop the ARRL a line asking where S57 is located, I don't at

: this time know.

S57 is Slovenia. I guess you can find the address under the call YU?EK. I can't remember what number, but it should be easy to find (YU5, maybe?)

73 de Magne la1bfa magne@statoil.no

Date: 3 Mar 93 05:48:35 GMT

From: ogicse!emory!swrinde!zaphod.mps.ohio-state.edu!mstar!n8emr!

bulletin@network.UCSD.EDU

Subject: SPACE BULLETIN 005 ARLS005

To: info-hams@ucsd.edu

Automatic relayed from packet radio via |
N8EMR's Ham BBS, 614-895-2553 |

ZCZC AS84
QST DE W1AW
SPACE BULLETIN 005 ARLS005
FROM ARRL HEADQUARTERS NEWINGTON, CT
MARCH 2, 1993
RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

SB SPACE ARL ARLS005 ARLS005 SAREX STS 55 UPDATE

SAREX STS-55 LAUNCH UPDATE

A NEW LAUNCH DATE OF MARCH 14 AT 1500 UTC HAS BEEN SET FOR THE STS-55 MISSION OF SPACE SHUTTLE COLUMBIA. THE MISSION WAS PREVIOUSLY SCHEDULED FOR LATE FEBRUARY.

AMATEURS PARTICIPATING IN THE MOTOROLA ARC SAREX ANTENNA TEST SHOULD NOTE: IF THE LAUNCH IS ON TIME, THE SHUTTLE WILL NEAR NORTH AMERICA DURING ORBIT 61 ON MARCH 18 AT 0903 UTC, AND ORBIT 62 AT 1037 UTC.

FOURTEEN STUDENT GROUPS FROM AROUND THE WORLD ARE SCHEDULED TO CONTACT THE SHUTTLE CREW DURING THE MISSION. FOR MORE INFORMATION ON SAREX, CONTACT THE ARRL EDUCATIONAL ACTIVITIES DEPARTMENT.

STS-55 KEPLERIAN ELEMENTS

STS-55

1 00055U 93073.67556033 .00120200 00000-0 36300-3 0 33 2 00055 28.4697 228.7025 0003812 314.2100 45.8202 15.90487610 23

SATELLITE: STS-55 CATALOG NUMBER: 00055

EPOCH TIME: 93073.67556033 (14 MAR 93 16:12:48.41 UTC)

ELEMENT SET: JSC-003

INCLINATION: 28.4697 DEG

RA OF NODE: 228.7025 DEG SPACE SHUTTLE FLIGHT STS-55 ECCENTRICITY: .0003812 PRELAUNCH KEPLERIAN ELEMENTS ARG OF PERIGEE: 314.2100 DEG LAUNCH: 14 MAR 93 15:00 UTC

MEAN ANOMALY: 45.8202 DEG

MEAN MOTION: 15.90487610 REV/DAY G. L. CARMAN

DECAY RATE: 1.2020E-03 REV/DAY SQ NASA JOHNSON SPACE CENTER

EPOCH REV: 2

ARRL THANKS G. L. CARMAN FOR THE PRECEDING KEPLERIAN DATA.

NNNN

Date: Wed, 3 Mar 1993 22:23:44 GMT

From: swrinde!gatech!howland.reston.ans.net!wupost!uwm.edu!linac!att!cbnewsm!

jeffj@network.UCSD.EDU

Subject: What is Idss for a VN10KM?

To: info-hams@ucsd.edu

I am building a transmitter from Kanga Kits and they use a VN10KM as a power transistor. I was trying to figure out the maximum wattage it should put out. It uses 12 volts keyed by a PNP directly into a VN10KM with no resistors to limit the current. So I am interested in what the Idss is for the transistor so I can get a estimate on how much current is being drawn and what the output wattage should be. Also if I want to replace the PNP they use with another I'll be able to. Thanks for any help! 73!

Jeff

- -

Jeff Jones AB6MB | OPPOSE THE NORTH AMERICAN FREE TRADE AGREEMENT! jeffj@seeker.mystic.com | Canada/USA Free Trade cost Canada 400,000 jobs. Infolinc BBS 415-778-5929 | Want to guess how many we'll lose to Mexico?

Date: 3 Mar 93 14:49:01 GMT From: news-mail-gateway@ucsd.edu

Subject: What would the ratio of logs mean?

To: info-hams@ucsd.edu

Not really radio but ...

A Biology professor friend of mine was analyzing some data relating to two quantities let's say A and B. She got an 'interesting result' when she plotted Log(A)/Log(B) vs Log(B). The question is what would the ratio of two Logs represent? In radio we use the log function a lot (all those dBs we throw around), so I thought that there might be someone who could give a physical interpertation to this plot.

BTW the As are the birth weight of bats by species and Bs are the Mother's weight. Like I said this is not really radio.

73 de N1MWY Carl hayssen@sceng.ub.com

(passed all the theory first time. just need the code!)

Date: 3 Mar 93 23:05:24 GMT

From: ogicse!news.tek.com!tekig7!tekig6!royle@network.UCSD.EDU

Subject: What would the ratio of logs mean?

To: info-hams@ucsd.edu

>Not really radio but ...

>A Biology professor friend of mine was analyzing some data relating >to two quantities let's say A and B. She got an 'interesting >result' when she plotted Log(A)/Log(B) vs Log (B). The question is >what would the ratio of two Logs represent? In radio we use the >log function a lot (all those dBs we throw around), so I thought >that there might be someone who could give a physical interpertation >to this plot.

>BTW the As are the birth weight of bats by species and Bs are the >Mother's weight. Like I said this is not really radio.

>73 de N1MWY >Carl >hayssen@sceng.ub.com

>(passed all the theory first time. just need the code!)

The ratio of the logs is the power by which the two quantities are related. For example, if $A = B^3$, then $log(A) = log(B^3) = 3*log(B)$, so

```
log(A)/log(B) = 3.
Roy Lewallen, W7EL
royle@tekig6.pen.tek.com
Date: Tue, 02 Mar 93 19:37:43 EST
From: agate!usenet.ins.cwru.edu!wariat.org!dreaml!jga@ames.arpa
Subject: Yaesu FT-530 Modifications?
To: info-hams@ucsd.edu
Gentlemen and Ladies,
    Does anyone have any mods for out of band RX and TX on the FT-530?
    Especially on the UHF side? Mine is at Yaesu being repaired right now,
    but I would like to get it modified.
-j
+-*-+--+ (dreaml!jga) (jga@dreaml.wariat.org) AMPR: N8USK @ NO8M
| # | | | <"Wouldn't it be great if George Bush booby trapped the White>
                      House like the kid in Home Alone 2?"
           <
______
Date: Mon, 01 Mar 93 15:03:11 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!zaphod.mps.ohio-state.edu!
uwm.edu!linac!att!mcdchg!tellab5!balr!ttd.teradyne.com!news@network.UCSD.EDU
To: info-hams@ucsd.edu
References <1993Feb25.114922.16051@ke4zv.uucp>, <1miu8kINN6lc@west.West.Sun.COM>,
<C32GHn.B9M@amdcl2>ter
Subject : Re: too darn big!
In article <C32GHn.B9M@amdcl2>, brian@amdcl2.amd.com (Brian McMinn, N5PSS) writes:
> (Fred Lloyd [Phoenix SE]) writes:
>> There are several ways to organize and regulate this newsgroup:
>>
>> a) Make it moderated.
> Sounds like an idea who's time has come. Now if we can just find
> someone willing to moderate it! :-)
```

Sounds like as good of an Idea as moderating 20 Meters. --- NOT

John Rice - K9IJ | "Did I say that ?" I must have, but It was rice@ttd.teradyne.com | MY opinion only, no one else's...Especially (708)-940-9000 - (work) | Not my Employer's.... Licensed since 1959 (708)-438-5065 - (bbs) | Ex: K8YZR, KH6GHC, WB9CSP, W9MMB, WA1TXV

End of Info-Hams Digest V93 #280 ***********